

Envirocare of Utah: Expanding Services

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**12th Annual DoD Low Level Radioactive
Waste Generators Meeting**

May 1, 2002



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THE SAFE ALTERNATIVE

Presentation Overview

- Introduction to Envirocare
- Oversize and Large Component Acceptance
- Containerized Class A
- Mixed Waste Treatment
- Field Services
- Future License Changes



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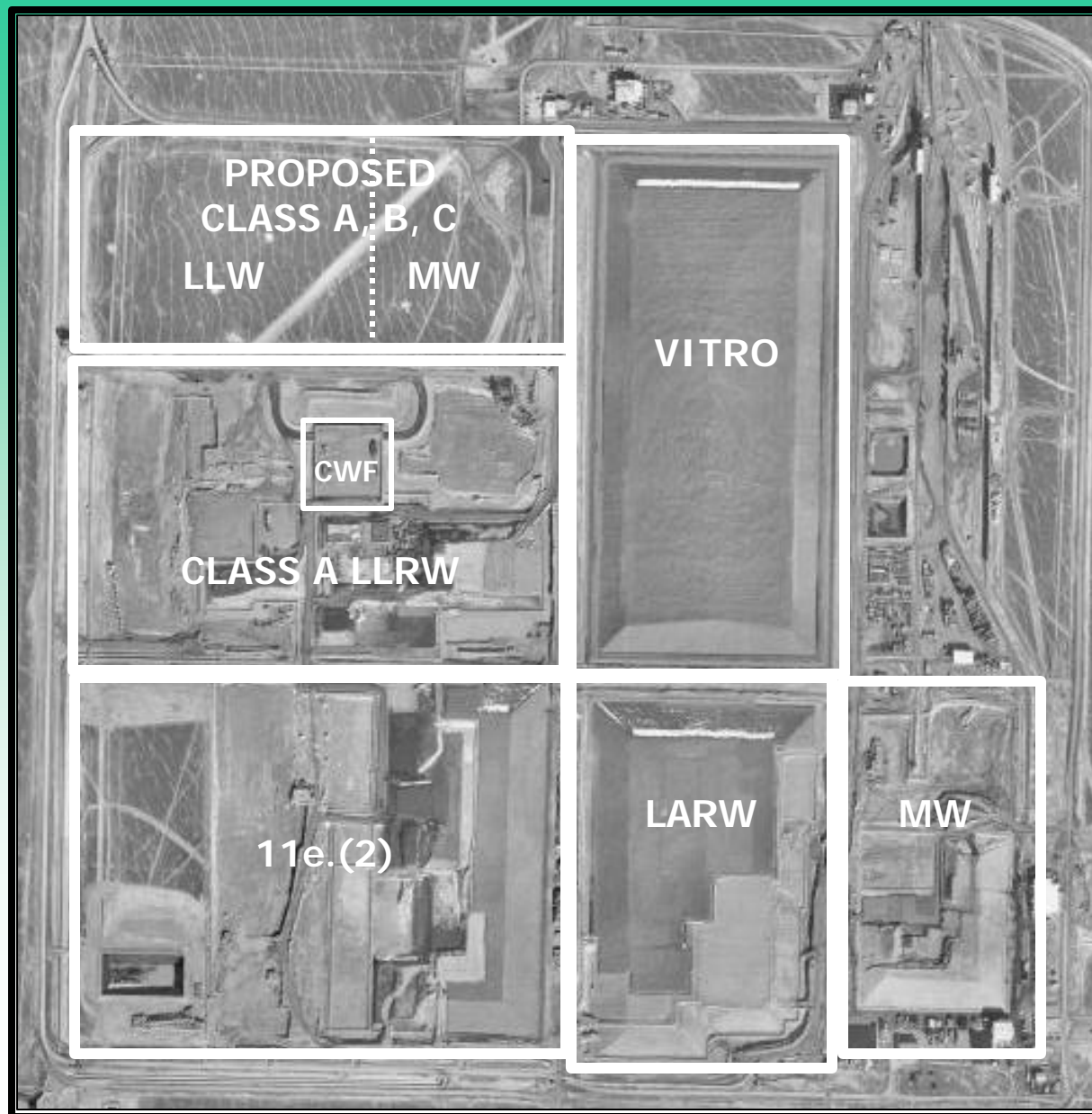
Introduction to Envirocare

- Licensed disposal facility for LLRW, Mixed Waste, NORM, and 11e.(2)
- 16 million cubic yard capacity
- 75 miles west of Salt Lake City
- 100 square mile Hazardous Waste Industrial Zone
- 7 inches average rainfall per year



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Oversize Debris and Large Component Acceptance

- Oversize Debris: exceeds regular debris requirements (no dimension less than 10 inches or any dimension greater than 12 feet)
- Large Components: oversize debris which requires an engineering plan



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Oversize Debris and Large Component Acceptance

- New debris categories eliminate requirements of small dimensions
- Large debris is now grouted for disposal
- Now accept items such as pumps, generators, tanks, concrete blocks, etc.
- If you can ship it, we can dispose it



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Oversize Debris and Large Component Acceptance



Connecticut Yankee's 105-ton Pressurizer

Oversize Debris and Large Component Acceptance

Maine Yankee's 42-ton Reactor Vessel Head



Oversize Debris and Large Component Acceptance



Dresden's 65-ton Steam Rotor Shaft

Containerized Class A Facility

- Facility opened in the Fall of 2001
- The Class A Containerized Waste Facility is located within the Envirocare Facility's Class A Embankment
- The Containerized Waste Facility is controlled separately from the LLRW Class A Bulk Waste Area
- Concrete caissons for liners, HICs



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Containerized Class A Facility

- Drums, boxes stacked
- Non-cohesive backfill placed over and between containers and caissons
- Certified generator



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Containerized Class A Facility

Type B Shipping Cask



Containerized Class A Facility



HIC Removal from Cask

Containerized Class A Facility



HIC Transfer to Caisson

Mixed Waste Treatment

- Stabilization
- Macroencapsulation
 - Macro Objects up to 5'x9'x9'
- Amalgamation
 - Teaming Agreement with NFS
 - Treat non-liquid high sub-category mercury
 - Treatment formula development on each waste stream



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Mixed Waste Treatment

- Macroencapsulation by HDPE Capsule
 - Permit modification pending
 - Macro debris by container
- Thermal Desorption
 - Currently licensing for treatability study
 - Full deployment scheduled for end of year
 - Treat organics, PCBs



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Mixed Waste Treatment



Field Services

- Traveling staff to support generators technical needs
- Deployed through business development contact
- Focus on reducing life-cycle cost
- Assistance in completing technical evaluations
- Call TODAY!



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Future License Changes

- Class B&C technical review progressing
- Political approval undetermined at this time



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